

XL2000: How to Use Visual Basic to Create a Dynamic Chart

This article was previously published under Q213780

Article ID : 213780
Last Review : August 15, 2005
Revision : 3.1

SUMMARY

When you record a macro to create a chart, the source address of the cells that you use to create the chart are fixed by Microsoft Excel. This article contains a Visual Basic for Applications macro that you can use to create a chart when the source address that contains the data for the chart varies.

MORE INFORMATION

Microsoft provides programming examples for illustration only, without warranty either expressed or implied, including, but not limited to, the implied warranties of merchantability and/or fitness for a particular purpose. This article assumes that you are familiar with the programming language being demonstrated and the tools used to create and debug procedures. Microsoft support professionals can help explain the functionality of a particular procedure, but they will not modify these examples to provide added functionality or construct procedures to meet your specific needs. If you have limited programming experience, you may want to contact a Microsoft Certified Partner or the Microsoft fee-based consulting line at (800) 936-5200. For more information about Microsoft Certified Partners, please visit the following Microsoft Web site:

<http://www.microsoft.com/partner/referral/> (<http://www.microsoft.com/partner/referral/>)

For more information about the support options that are available and about how to contact Microsoft, visit the following Microsoft Web site:

<http://support.microsoft.com/default.aspx?scid=fh;EN-US;CNTACTMS> (<http://support.microsoft.com/default.aspx?scid=fh;en-us;cntactms>)

To create and run the macro described in the "Symptoms" section, follow these steps:

1. Type the following information on Sheet1 of a new workbook:

C3:	D3: Region 1	E3: Region 2	F3: Region 3
C4: Jan	D4: 10	E4: 80	F4: 15
C5: Feb	D5: 20	E5: 70	F5: 25
C6: Mar	D6: 30	E6: 60	F6: 35
C7: Apr	D7: 40	E7: 50	F7: 45

2. Start the Visual Basic Editor (press ALT+F11).
3. Click **Module** on the **Insert** menu.
4. Type or paste the following procedure in a module sheet:

```
Sub CreateChart()  
    'Create a New Chart  
    Charts.Add  
    'Change the Chart Type to the type that you want  
    ActiveChart.ChartType = xlColumnClustered  
    'Sets the Source Data to the Region of data starting with the  
    'top left corner C3. This line of code assumes that the  
    'region of cells is contiguous - without empty rows or columns.  
    ActiveChart.SetSourceData _  
        Source:=Sheets("Sheet1").Range("C3").CurrentRegion, _  
        PlotBy:=xlColumns  
End Sub
```

5. Return to Excel. On the **Tools** menu, point to **Macro**, and then click **Macros**.
6. Click **CreateChart**, and then click **Run**.

The macro uses the **CurrentRegion** property to find data adjacent to cell C3 on Sheet1 and create a column chart on a new chart sheet.

REFERENCES

For more information about the chart object, in the Visual Basic Editor, click **Microsoft Visual Basic Help** on the **Help** menu, type **chart object** in the Office Assistant or the Answer Wizard, and then click **Search** to view the topic.